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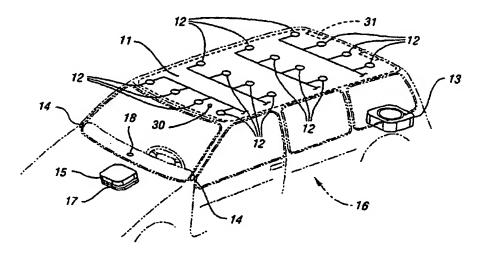
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(54) Title: VEHICULAR AUDIO SYSTEM INCLUDING A HEADLINER SPEAKER, ELECTROMAGNETIC TRANSDUCER ASSEMBLY FOR USE THEREIN AND COMPUTER SYSTEM PROGRAMMED WITH A GRAPHIC SOFTWARE CONTROL FOR CHANGING THE AUDIO SYSTEM'S SIGNAL LEVEL AND DELAY



(57) Abstract: A vehicle overhead audio system an electromagnetic transducer assembly for use therein and a computer system programmed with a graphic software control for changing the audio system's signal level and delay are provided where a headliner of the vehicle is a loudspeaker of the system thereby replacing many other loudspeakers and being invisible to the occupants. The headliner is driven in multipe zones that effect proper imaging for all occupants. Supplemental high frequency and subwoofer speakers and signal processing circuittry are included in one aspect of the invention.

